Registration Decision RD2012-28

Mint-X Super Perfume Blend

(publié aussi en français)

7 December 2012

This document is published by the Health Canada Pest Management Regulatory Agency. For further information, please contact:

Publications
Pest Management Regulatory Agency
Health Canada
2720 Riverside Drive
A.L. 6604-E2
Ottawa, Ontario K1A 0K9

Internet: pmra.publications@hc-sc.gc.ca
healthcanada.gc.ca/pmra
Facsimile: 613-736-3758
Information Service:
1-800-267-6315 or 613-736-3799
pmra.infoserv@hc-sc.gc.ca

Canada

ISSN: 1925-0932 (print)
1925-0940 (online)

Catalogue number: H113-25/2012-28E (print version)
H113-25/2012-28E-DTP (PDF version)

© Her Majesty the Queen in Right of Canada, represented by the Minister of Health Canada, 2012

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.

Registration Decision for Mint-X Super Perfume Blend

Health Canada's Pest Management Regulatory Agency (PMRA), under the authority of the *Pest Control Products Act* and Regulations, is granting full registration for the sale and use of Mint-X Super Perfume Blend and Mint-X Treated Plastic, containing a mixture of the technical grade active ingredients methyl salicylate, cornmint oil, camphor oil and eucalyptus oil, to be used in the manufacture of trash bags with a claim of reducing the number of trash bags torn by Norway rats and racoons.

An evaluation of available scientific information found that, under the approved conditions of use, the product has value and does not present an unacceptable risk to human health or the environment.

These products were first proposed for registration in the consultation document[1] Proposed Registration Decision PRD2012-13, *Mint-X Super Perfume Blend*. This Registration Decision[2] describes this stage of the PMRA's regulatory process for Mint-X Super Perfume Blend and summarizes the Agency's decision and the reasons for it. The PMRA received no comments on PRD2012-13. This decision is consistent with the proposed registration decision stated in PRD2012-13.

For more details on the information presented in this Registration Decision, please refer to the Proposed Registration Decision PRD2012-13, *Mint-X Super Perfume Blend* that contains a detailed evaluation of the information submitted in support of this registration.

What Does Health Canada Consider When Making a Registration Decision?

The key objective of the *Pest Control Products Act* is to prevent unacceptable risks to people and the environment from the use of pest control products. Health or environmental risk is considered acceptable[3] if there is reasonable certainty that no harm to human health, future generations or the environment will result from use or exposure to the product under its conditions of registration. The Act also requires that products have value[4] when used according to label directions. Conditions of registration may include special precautionary measures on the product label to further reduce risk.

---

1 "Consultation statement" as required by subsection 28(2) of the *Pest Control Products Act*.

2 "Decision statement" as required by subsection 28(5) of the *Pest Control Products Act*.

3 "Acceptable risks" as defined by subsection 2(2) of *Pest Control Products Act*.

4 "Value" as defined by subsection 2(1) of *Pest Control Products Act* "...the product's actual or potential contribution to pest management, taking into account its conditions or proposed conditions of registration, and includes the product's (*a*) efficacy; (*b*) effect on host organisms in connection with which it is intended to be used; and (*c*) health, safety and environmental benefits and social and economic impact".

To reach its decisions, the PMRA applies modern, rigorous risk-assessment methods and policies. These methods consider the unique characteristics of sensitive subpopulations in humans (for example, children) as well as organisms in the environment (for example, those most sensitive to environmental contaminants). These methods and policies also consider the nature of the effects observed and the uncertainties when predicting the impact of pesticides. For more information on how the PMRA regulates pesticides, the assessment process and risk-reduction programs, please visit the Pesticides and Pest Management portion of Health Canada's website at healthcanada.gc.ca/pmra.

What Is Mint-X Super Perfume Blend?

Mint-X Super Perfume Blend, a mixture of the technical grade active ingredients methyl salicylate, cornmint oil, camphor oil and eucalyptus oil, is used in Mint-X Treated Plastic to be used in the manufacture of trash bags with a claim of reducing the number of trash bags torn by Norway rats and racoons.

Health Considerations

Can Approved Use of Mint-X Super Perfume Blend Affect Human Health?

Mint-X Super Perfume Blend is unlikely to affect human health when used according to label directions.

Potential exposure to Mint-X Super Perfume Blend may occur when domestic users handle the treated trash bags formulated with Mint-X Super Perfume Blend. When assessing health risks, two key factors are considered: the levels where no health effects occur and the levels to which people may be exposed. The dose levels used to assess risks are established to protect the most sensitive human population (for example, children and nursing mothers). Only uses for which the exposure is well below levels that cause no effects in animal testing are considered acceptable for registration.

The technical grade active ingredient, Mint-X Super Perfume Blend, is a concentrated mixture containing essential oils and it is likely to be acutely toxic via the oral route and severely irritating. The Mint-X Super Perfume Blend label has signal words, precautionary and hygiene statements to protect occupational workers during the formulating process.

The treated plastic bags, manufactured using Mint-X Treated Plastic, are made by incorporating a low concentration of the technical grade active ingredient mixture (less than 1%) on to the polymer matrix, and it is not likely to be released from the matrix or significantly absorbed via skin contact. Due to the physical nature and the proposed use pattern of the treated bag, there is no health concern from the intended use.

Residues in Water and Food

Dietary risks from food and water are not of concern.

The treated plastic bags, manufactured using Mint-X Treated Plastic, have no food uses; therefore, there are no dietary risks from its intended use. No exposure to residues in drinking water is expected because of the nature of the product.

Risks in Residential and Other Non-Occupational Environments from the use of Mint-X Super Perfume Blend

Risks are not of concern from the intended use of trash bags manufactured with Mint-X Treated Plastic

The proposed manufacturing product is treated plastic, for use in the manufacture of trash bags for use in homes, formulated with a low concentration of Mint-X Super Perfume Blend (less than 1% w/w). Residential exposure is not expected to result in unacceptable risk.

Environmental Considerations

An environmental assessment was not required for this application.

Value Considerations

What Is the Value of Mint-X Treated Plastic?

Mint-X Treated Plastic, for use in the manufacture of trash bags, reduces the number of trash bags torn by Norway rats and raccoons.

Measures to Minimize Risk

Labels of registered pesticide products include specific instructions for use. Directions include risk-reduction measures to protect human and environmental health. These directions must be followed by law.

The key risk-reduction measures being proposed on the label of Mint-X Super Perfume Blend to address the potential risks identified in this assessment are as follows.

Key Risk-Reduction Measures

Human Health

Since Mint-X Super Perfume Blend is a concentrated mixture containing essential oils and the available information indicate one or more of the active ingredients are acutely toxic via the oral route of exposure and irritating, and there are no studies submitted to characterize Mint-X Super Perfume Blend, signal words are required on the manufacturing product label. The principal display panel of the technical product label must include the signal words: WARNING – POISON, WARNING – EYE IRRITANT, and WARNING – SKIN IRRITANT.

The additional precautionary statements required on the secondary display panel of Mint-X Super Perfume Blend include: "Harmful or Fatal if swallowed, May cause respiratory irritation, Avoid breathing vapors, Handle the product in a well-ventilated area, Causes eye and skin irritation, and DO NOT get in eyes, on skin or on clothing."

Other Information

The relevant test data on which the decision is based (as referenced in PRD2012-13, *Mint-X Super Perfume Blend*) are available for public inspection, upon application, in the PMRA's Reading Room (located in Ottawa). For more information, please contact the PMRA's Pest Management Information Service by phone (1-800-267-6315) or by e-mail (pmra.infoserv@hc-sc.gc.ca).

Any person may file a notice of objection[5] regarding this registration decision within 60 days from the date of publication of this Registration Decision. For more information regarding the basis for objecting (which must be based on scientific grounds), please refer to the Pesticide and Pest Management portion of the Health Canada's website (Request a Reconsideration of Decision, www.hc-sc.gc.ca/cps-spc/pest/part/protect-proteger/publi-regist/index-eng.php#rrd) or contact the PMRA's Pest Management Information Service.

[5] As per subsection 35(1) of the *Pest Control Products Act*.